

Determination of Small Contents of Aluminum in
Steel, II., by A. Neuberger, E. Schöffmann.

GERMAN, ~~per~~ Archiv Eisenhüttenwesen, Vol XXVIII,
No 2, 1957, pp 65, 66.

Henry Bratcher
Tr: 3934
\$2.90

Sci - Min/Metals
Aug 57

50,723

The Influence of Testing Machine Characteristics on the Shape of Stress/Strain Curves With Single or Repeated Drop in Loads, by A. Kochendorfer, W. Wink.
12 pp.

GERMAN, Pop. Archiv Eisenhütten, vol XXV, No 2, 1957, pp 67-79.

Broken Hill Proprietary
Co Ltd (GRL/T.388)

Scl - Engr
Nov 61

117, 316
171, 216

Investigation of Thermodynamics and Composition of Wustite, by H. Engel.

GERMAN, par, Archiv fuer Das Eisenhuettenwesen,
Vol. XLVIII, No 2, 1957, pp 109-115.

CSIRO

Edl - Engr
Jun 62

199, 627

New Process for Sampling Killed and Rimming Steel
for Determination of Oxygen and Hydrogen, by Schenck
et al.

GERMAN, per, Arch Eisenhüttenwiss., Vol XXVIII,
Mar 1957, pp 123-125.

Co-op Tr Sch Tr 630
(§1.5.0)

57,703

Sci - Min/met
Jan 58

Solution of Some Problems of Fatigue Strength
by the Step-Test Method, by Buhler, Schreiber.

GERMAN, Ger, Arch Eisenhüttenwesen, Vol XXVIII,
Mar 1957, pp 153-156.

Co-op Tr Serv Tr 583
(1.10.0)

Sci - Eng
Nov 57

55, 85-4

63-16877

I. Bockstiegel, G.

Bockstiegel, Gerhard.
THE INFLUENCE EXERTED BY THE INITIAL AND
BY REPRESSING PRESSURES AND THE SINTERING
TEMPERATURE ON THE PROPERTIES OF SIN-
TERED PARTS MADE WITH TECHNICAL IRON
POWDER (Einfluss des Vor- und Nachpressdruckes
sowie der Sintertemperatur auf die Eigenschaften von
Sinterteilen aus Technischen Eisepulvern). [1963]
34p. (foreign text included) 16 refs.
Order from SLA \$3.60

63-16877

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1957, v. 28, no. 3, p. 167-177.

DESCRIPTORS: Powder metals, *Iron, *Powder metal-
lurgy, Sintering, Pressure, Temperature, Density,
Tensile properties, Failure (Mechanics), Electrical
conductance.

(Metallurgy, TT, v. 10, no. 8)

(over)

Office of Technical Services

Determination of Current Density-Potential Curves
in Conjunction With Electrolytic Isolation Using
an Electronic Potentiostat, by W. Koch, K. Luderig.

GERMAN, per, Archiv fuer Eisenhüttenwesen,
Vol XXVIII, Apr 1957, pp 201-205.

BISI 2840

Sci - Min/Metals

210,868

Sep 62

List 148

Effect of Final Annealing in a High Vacuum on the
Hysteresis of Hot and Cold Rolled Transformer
Sheets, by Lihl.

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII,
No 4, 1957, pp 223-226.

Co-op Tr Sch Tr 570

Sci - Min/met
Jan 58

57,718

Calorimetric Investigations on the Kinetics of the
Isothermal Breakdown of Austenite of 12% Manganese
Steel, by G. Collette. UBCL

GERMAN, por; Arch Eisenhuettenwesen, Apr 1957,
pp 229-235.

British Iron and
Steel Ind 1060

Sci - Phys
Jan 59

SLA 61-434

79,584

61-16305

Richard, K. and Reiner, Halmuth.
EXPERIMENTAL INSTALLATIONS AND PROCEDURES
Part 1 of Behaviour of Heat-Resist[ant] Steels during
Creep Testing [at Temperatures] of 500-700°C. Apr 58
[15]p. 11 refs.
Order from SLA \$1.60

61-16305

Trans. of Arch. [für das] Eisenhüttenwesen (West
Germany) 1957, v. 28 [no. 5/6] p. 245-252.

DESCRIPTORS: *Heat resistant alloys, *Steel, *Creep,
Stresses, Tests, Test methods, Test facilities.

British Iron + Steel Inst

Office of Technical Services

(Metallurgy--Ferrous Metals, TT, v: 6, no. 3)

61-16315

Hempel, M.
LONG TIME FATIGUE TESTS ON A FERRITIC AND
AN AUSTENITIC STEEL AT 500-650°C. Pt. 7 of Be-
haviour of Heat-Resist[ant] Steels [during Creep Test-
ing at Temperatures of] 500-700°C. [1958] [11]p.

44 refs.

Order from SLA \$1.60

61-16315

Trans. of Archiv für das Eisenhüttenw[esen] (West
Germany) 1957, v. 28 [no. 5/6] p. 311-316.

DESCRIPTORS: *Heat resistant alloys, *Steel, *Austen-
ite, *Creep, Fatigue (Mechanics), Tests, Stresses.

Heat treated Iron + Steel element

(Metallurgy--Ferrous Metals, TT, v. 6, no. 3)

I. Hempel, M.
II. Title: Behaviour...

17526

Office of Technical Services

Behaviour of Heat-Resisting Steels During Creep
Testing at 500-700° C - Part III, by Jahn.

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII,
May/Jun 1957.

Carl Jahn, Eisenhüttenwesen, Vol XXVIII, May/Jun 1957
~~Co op to Gen Tr 593~~

Sci - Engg Min/met
Jan 58

57,725

Behaviour of Heat-Resisting Steels During Creep Testing
at 500-700° C. Part IV - Results of Creep Tests on
Ferritic Engineering Steels, by Holdt, Grun.

GERMAN, ~~per~~, Arch Eisenhüttenwesen, Vol XXVIII, May/Jun
1957, pp 269-285.

British Iron and Steel Inst
~~Co op to Sci Lib 674~~

Sci - Min/met
Jan 58

57,664

Behaviour of Heat-Resisting Steels During Creep
Testing at 500-700° C. Part V - Results of
Creep Tests on Austenitic Steels and Alloys, by
HUNGARDT.

GERMAN, per, Arch Eisenhüttenwesen, Vol. XXVIII,
May/June 1957, pp 287-304.

Handwritten: Creep Tests on Steels
CS-Op Tr Sch Tr 675

Sci - Min/met
Jan 58

Handwritten: 57,665
CSIRO

Behaviour of Heat-Resisting Steels During Creep
Testing at 500-700° C. Part VI - Metallurgical Ex-
aminations of Austenitic and Ferritic Steels After
a Long Period of Creep Stressing, by ~~Kurt~~ Kirsch.

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII, May/
Jun 1957, pp 305-310.

British Iron & Steel Inst
~~Co-op Tr Sch Tr 676~~

Sci - Min/met
Jan 58

CSIRO 57667

Behaviour of Heat-Resisting Steel in Long-Period
Tests at 500-700° C. Part VII, by Hempel.

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII,
May/Jun 1957,

British Iron & Steel Inst.
~~Geop. Tr. Sch. 574~~
(£2.5.0)

Sci - Min/met
Jan 58

57, 685

Behaviour of Heat-Resisting Steels During Creep
Testing at 500-700° C. Part VIII - Some Preliminary
Deductions, by Schinn, ~~RUTTMANN~~

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII,
May/Jun 1957, pp 317-323.

British Iron & Steel Inst
~~Co-Op Tr Sch Tr 677~~

Sci - Min/met
Jan 58

57,666

61-16321

Thum, August and Richard, Kurt.
100,000h CREEP TESTS AT 500°C ON VARIOUS
TYPES OF STEEL. [1958] [24]p. 71 refs.
Order from SLA \$2.60

61-16321

I. Thum, A.
II. Richard, K.

Trans. of Arch[iv für das] Eisenhüttenwesen (West
Germany) 1957, v. 28 (no. 5/6) p. 325-337.

DESCRIPTORS: *Steel, Creep, Tests, Cast iron,
Austenite, Cast steel, Molybdenum alloys, Iron alloys.

Cast iron + steel test 1702-10

Kirsch, Alfred and Wepner, Wolfgang.
ON THE CONVERSION OF CREEP VALUES TO
OTHER TEMPERATURES. [1961] [13]p. 29 refs.
Order from SLA \$1.60 61-16323

Trans. of Arch[iv für das] Eisenhüttenwesen (West
Germany) 1957, v. 28 [no. 5, 6] p. 339-343.

DESCRIPTORS: *Steel, Creep, Temperature.

Creep curves for 19 ferritic and 19 austenitic steels were evolved by means of tests at two or more temperatures and were compared by the process after F. R. Larson and J. Miller. In most cases agreement was bad so that no success was had in plotting a "master curve" for these steels, neither was it possible by changing the constant 20 in the formula after Miller and Larson by substituting C in the parameter $L = 1.8 (T(C + \lg t))$ where T = temperature in °K, and t = time in hours, particularly as, depending on the stress selected, another constant would result. On the (Metallurgy--Ferrous Metals, TT, v. 6, no. 3) (over)

61-16323

I. Kirsch, A.
II. Wepner, W.

*Butch ... Steel
exam.*

17527

Office of Technical Services

The Influence of Chemical Composition and Structure on the ~~the~~ Hydrogen Content of Iron and Steel. Part I. The Influence of Silicon, Carbon and Structure on the Behaviour of Hydrogen in Unalloyed Steels, by F. Erdmann-Jesnitzer, H. Seabath, 24 pp.

GERMAN, per, Arch Eisenhüttenw, Vol XXVIII, 1957, pp 345-353.

AEC IGRL-T/C-95

43-436/30,871

Sci - Chem

26 Oct 60

Plastic Deformation and the Behaviour of
Hydrogen in the Formation of Flaws in Unalloyed
Steel, by F. Erdmann-Jesnitzer, 26 pp.

GERMAN, per, Arch Eisenhüttenw, Vol XXVIII,
1957, -- 355-365.

AEC IGIB-91 (HD/C)

Sci - Chem
14 Oct 60

128,912

Influence of Catalysts on the Reduction of Iron Ores
With Hydrogen, by W. Machu, S. Y. Ezz.

GERMAN, per, Archiv fuer das Eisenwuestenwesen, Vol
XXVII, No 7, 1957, pp 367-371.

Brutcher Tr 4067
\$7.25

Sci - Min/Met

Apr 58

61,437

Examination of Welded and Unwelded Chromium
Nickel Steels for Inter-crystalline Corrosion,
by E. Zitter. UNCL

GERMAN, per, Arch Eisenhüttenwesen, Jul 1937,
pp 401-416.

British Iron and Steel Ind 386

(L9 15s. Od.)

Sci - Mkn/Met
May 59

85,801

Carbides and the Stress-to-Rupture Test of
Cr-Mo-V Steel, by Koch, et al.

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII,
Aug 1957, p 445.

8151
~~Co op. Re. Sci. 714~~

Sci - Min/met
Jan 58

57,637

Studies of the Structure of Steels With High
Contents of Carbide-Forming Alloying Elements,
by Schrader, et al. UNCLASSIFIED

GERMAN, per, Arch Eisenhüttenwesen, Aug 1957,
pp 461-468.

Co-op Tr Scheme

Tr 723
(1A.15.0)

CSIRO

Sci - Min/Metals
Jul 58

67,795

Further Investigations of the Dephosphorization
of Iron With Lime-rich Slags, by G. Tromel, H. W.
Fritze.

GERMAN, per, Archiv fuer Eisenhuettenwesen, Vol XXVIII,
Aug. 1957, pp 489-495.

ECIRA 886

Sci

Jan 68

Measurements of Electric Resistance and
Thermoelectric Force Carried Out With Cr_2O_3
at Temperatures up to 17500C, by W. A.
Fischer, G. Lorenz.

GERMAN, per, Archiv fur das Eisenhüttenwesen,
Vol XXVIII, 1957, pp 497-503.

CSIRO

Sci - Electricity
Jun 62

203,375-

The Deformation Characteristics of
C.45 Steel in Compression and
Shearing as a Function of Temperature
and Rate of Deformation, by W. Lueg,
H. G. Müller.
GERMAN, per, Arch. Eisenh., Vol 28,
Aug 1957, pp 505-516.
BISI 0207

Sci/PHH
Jul 65

264,600

Calorimetric Examination of the $\alpha \rightarrow \beta$ Transformation of Cristobalite, by Krisement, et al.

GERMAN, per, Arch. Eisenhüttenwesen, Vol XXVIII, Sep 1957, p 523.

Co-op Tr Sch Tr 713

Sci - Min/met
Jan 58

57,635

Contribution to Evaluation of the Welding Defects
Based on X-Ray Photographs and Stress and Strain
Experiments on Welded Samples, by Hermann Moller,
Max Kampel, 24 pp.

GERMAN, nat, Arch Eisenhuttew, Vol XXVIII, 1957, pp
531-541.

AEC 3381

Sci - Phys

Nov 58

76,437

Electrochemical Basis of the β Oxidation of
Structural Components in Steels, by W. Koch,
H. Burschmann. USSR

GERMAN, DOK, Arch Eisenhuettenwesen, No 7, 1957,
pp 557-566.

British Iron and Steel Ind 1029
(L7 10s.01.)

Sci - Min/Met
Jan 59

79,790

Studies of Structure and Adhesion of Scale on
Plain Carbon Steel Plates, by H. J. Engell,
F. K. Peters.

GERMAN, per, Archiv Eisenhüttenwesen, Vol
XCVIII, No 9, 1957, pp 567-574.

Henry Bratcher 4329
\$13.75

Sci - Engr
Oct 58

75, 718

Studies of the Rate of Separation of Primary
Deoxidation Products From Liquid Iron, by
W. A. Fischer, et al.
GERMAN, per, Arch. Eisenh., Vol 28, No 10, 1957,
*HB 7170

Sci/Materials
Jun 67

Investigations of the Rate of Separation of
Primary Deoxidation Products from Liquid Iron,
by W. A. Fischer, M. Wahlster.
GERMAN, per, Archiv Eisenhüttenwesen, Vol 28,
No 10, 1957, pp 601-609.
HB 7170

Sci - Mech
Aug. 67

338,595

The Rate of Reduction of Iron Oxide with Hydrogen,
by L. Von Bogdandy, H. G. Riecke,

GERMAN, per, Archiv Eisenhüttenw, Vol XXIX,
No 10, 1958, pp 603-609.

CRL/T.958

Sci
Dec 62

Wetting Agents in Dust Techniques With Special
Regard to the Wetting of Finely Divided Iron
Oxides in Steelworks' Smokes, by R. Haldau. UNCL

GERMAN, per, Arch Eisenhüttenwesen, Oct 1957,
pp 615-621.

British Iron and
Steel Ind 1195
(14 5a.04)

Sci - Min/Met
Apr 59

84,729

Determination of Small Titanium Contents
in Iron Alloys and Ores After Separation
of the Heavy Metals With Pyrrolidione
Dithiocarbamate, by E. Schoffman,
H. Malissa. UNCL

GERMAN, per, Arch Eisenhuettenwesen, No 10,
1957, pp 623-624.

British Iron and
Steel Ind 1128

Sci - Min/Mat
Feb 59

80,268
OTS 61-18367

Quantitative Determination of Alloy Elements in
Steel, by X-Ray Fluorescent Spectro-Analysis, by
Kracht, Jager.

GERMAN, por, Arch Eisenhüttenwesen, Vol XXVIII,
Oct 1957, pp 633-639.

Co-op Tr Sch Tr 797

x
Sci - Physics
Apr 58

60,779

Etching Procedure for Differentiating Be-
tween Chemically Resistant Cr-Ni Steels and
Cr-Ni-Mo Steels, by F. K. Kaumann, W.
Carius.

GERMAN, per, Archiv Eisenhüttenwesen, Vol
XXVIII, No 10, 1957, pp 641-44.

Brutcher Tr 4231
\$4.60

Sci - Chem

Aug 58

68,211

TT-64-18520

Matz, Werner and Peter, Walter.

ON THE PROBLEM OF MAGNETIC AGING OF SOFT
STEEL (Zur Frage der Magnetischen Alterung von
Weichem Stahl). [28p] (foreign text included) 22refs.

Order from SLA \$1.60

TT-64-18520

- I. Matz, W.
- II. Peter, W.
- III. Verein ... Berichte-1104

Trans. of Arch[iv] f[ür] d[as] Eisenhüttenw[esen]
(West Germany) 1957, v. 28, no. 10, p. 655-662
(Verein Deutscher Eisenhüttenleute (West Germany).
Berichte-1104)

TT-66-10434

(Metallurgie - Pyrites Metals, TT, v. 12, no. 7)

Office of Technical Services

Arwidson, [John] and Bohet, Oscar [Louis].
ORGANIZATION AND TASKS OF THE SWEDISH
COMMITTEE ON HIGH TEMPERATURE PROPERTIES
OF MATERIALS [AND] BELGIAN COMMITTEE FOR
THE ASSESSMENT OF THE CREEP STRENGTH OF
METALLIC MATERIALS AT ELEVATED TEMPERA-
TURES. Reps. on Organization of Researches into the
Long-time Creep Behaviour of Steel. [1958] [9]p.
2 refs.

Order from SLA \$1.10

61-16467

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1957, v. 25, no. 11, p. 673-677.

DESCRIPTORS: *High temperature research, Creep.
*Refractory materials, Tests, *Steel, *Heat resistant
alloys, Belgium, Sweden.

(Metallurgy - Ferrous Metals, TT, v. 6, no. 4)

61-16467

I. Arwidson, S.
II. Bohet, O. L.
III. Title: Belgian ...
IV. Title: Organization ...

177661

Office of Technical Services

The Behaviour of Heat-Resisting Steels During
Creep Testing at 500-700° C, II. Equipment and
Technique for the Exact Determination of Creep
and Fracture Behaviour at Elevated Temperatures
Under Alternating and Varying Conditions of
Load and Temperature.

GERMAN, per, Arch Eisenhüttenwesen, Vol LXVIII,
Nov 1957, p 679-685.

Sci - Min/met
Apr 58

~~Co-op Tr Ech Tr Sho~~

*Publication of Stahlguss 1740
60, 831*

Schaar, K. Houdremont, E., and others.
EVALUATION OF LONG-TIME CREEP TESTS: DIS-
CUSSION. [1961] [19]p. 18 refs.
Order from SLA \$1.60

61-16203

Trans. of Archiv [für das] Eisenhüttenwesen (West
Germany) 1957, v. 23, Nov, p. 687-694.

DESCRIPTORS: Creep, Stresses, *Steel, Tests

The discussions are presented that followed the pre-
sentation of a paper by Bandel and Gravenhorst (Arch.
Eisenhüttenw. 28: 253-258, 1957).

British Iron & Steel Inst 841

CSIRO

(Metallurgy--Ferrous Metals, TT, v. 6, no. 3)

61-16203

I. Schaar, K.
II. Houdremont, E.

175256

Office of Technical Services

Constant, A. [ref. 6].
RESULTS OF FRENCH CO-OPERATIVE INVESTIGA-
TIONS INTO THE PROPERTIES OF HEAT-RESISTANT
STEELS. Rept. on Results of Long-time Creep Tests on
Ferritic and Austenitic Steels. [1958] [13]p. 4 refs.
Order from SLA \$1.60 61-16500

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1957, v. 28 [no. 11] p. 695-702.

DESCRIPTORS: *Heat resistant alloys, *Steel, *Steel
castings, Creep, Test.

(Metallurgy - Ferrous Metals, TT, v. 6, no. 4)

61-16500

I. Constant, A.
II. Title: Results ...

177660

Office of Technical Services

The Behaviour of Heat-Resisting Steels During Creep Testing at 500-700° C. IV. Results of French Co-operative Investigation Into the Properties of Heat-Resisting Steels, by Constant; Some Results of American Long-Time Creep Tests on Pipe Steels, With Particular Reference to Permissible Design Stresses, by Ebarle; Development of Heat-Resisting Materials and Their Testing in Czechoslovakia, by Pluhar; Influence of Nickel on susceptibility to Embrittlement During Long-Time Creep Testing of Cast Cr-Mo and Cr-Mo-V Steels, by Felix; Variations in the Rate of Creep of a Plain Steel During Long-Time Creep Testing, by Max Johansson.

GERMAN, per, Arch Eisenhüttenwesen, Vol XXVIII, Nov 1957, pp 695; 702; 707; 710; 713.

~~Co-op Tr Sch Tr 842~~

60,840

Sci - Min/act Apr 58

Eberle, F.
SOME RESULTS OF AMERICAN LONG-TIME CREEP
TESTS ON PIPE STEELS, WITH PARTICULAR
REFERENCE TO PERMISSIBLE DESIGN STRESSES.
Rept. on Results of Long-time Creep Tests on Ferritic
and Austenitic Steels. [1958] [9]p.
Order from SLA \$1.10

61-16501

Trans. of Archly für das Eisenhüttenwesen (West
Germany) 1957, v. 28, no. 11, p. 702-706.

DESCRIPTORS: *Steel tubing. Creep. Tests. Stresses.
*Heat resistant alloys. *Steel.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 4)

61-16501

I. Eberle, F.
II. Title: Results ...

17766.

Office of Technical Services

Werner, Felix].
INFLUENCE OF NICKEL ON SUSCEPTIBILITY TO
EMBRITTLEMENT DURING LONG-TIME CREEP-
TESTING OF CAST Cr-Mo AND Cr-Mo-V STEELS.
Rept. on Results of Long-time Creep Tests on Ferritic
and Austenitic Steels. [1958] [4]p.
Order from SLA \$1.10

61-16533

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1957, v. 28, no. 11, p. 710-712.

DESCRIPTORS: *Cast steel, *Steel castings, *Heat
resistant alloys, Creep, Tests, Steel, Fracture
(Mechanics), *Nickel, Mechanical properties.

(Metallurgy--Ferrous Metals, TT, v. 6, no. 4)

61-16533

I. Werner, F.
II. Title: Results ...

177673

Office of Technical Services

61-16503

Johansson, Axel.
VARIATIONS IN THE RATE OF CREEP OF A PLAIN
STEEL DURING LONG-TIME CREEP-TESTING. Rept.
on Results of Long-time Creep Tests on Ferritic and
Austenitic Steels. [1958] 3p.
Order from SIA \$1.10

61-16503

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1957, v. 28, no. 11, p. 712-713.

DESCRIPTORS: *Steel. Creep. Tests.

I. Johansson, A.
II. Title: Results ...

17766

Office of Technical Services

(Metallurgy - Ferrous Metals, TT, v. 6, no. 4)

Murray, J. D., Bungardt, K. and others.
RESULTS OF LONG TIME CREEP TESTS ON
FERRITIC AND AUSTENITIC STEELS: DISCUSSION
OF PAPERS SUBMITTED TO GROUP 4. [1958] 6p.

4 refs.

Order from SLA \$1.10

61-16504

Trans. of Archiv (III) das Eisenhüttenwesen (West
Germany) 1957, v. 28, no. 11, p. 713-715.

DESCRIPTORS: *Austenite, *Iron alloys, *Steel,
Creep, Tests, Temperature, Heat resistant alloys,
Tensile properties, Heat treatment.

(Machinery--Manufacturing. TT, v. 6, no. 4)

61-16504

I. Murray, J. D.
II. Bungardt, K.

177665

Office of Technical Services

The ~~MS~~ Behaviour of Heat-Resisting Steels During Creep Testing at 500-700° C. V. Scatter in the Measurement of Long-Time Creep Data, by Schluter; Miniature Creep Tests and Their Evaluation, by K Kells Stauffer; Statistical Evaluation of Results of Creep Tests as a Means of Establishing Minimum Design Data by Zachokke.

GERMAN, per, Arch Eisenhüttenwesen, Vol XVIII, Nov 1957, pp 717, 719, 726.

~~Co-op Tr Sch Tr 843~~ 60,841

Sci - Min/not
Apr 58

British Iron and Steel Inst
PL 810

Richard, K., Sigwart, H. and others.
SCATTER OF RESULTS OF LONG-TIME CREEP
TESTS: DISCUSSION OF PAPERS SUBMITTED TO
GROUP 5. [1958] 3p. 2 refs.
Order from SLA \$1.10

61-16508

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1957, v. 28, no. 11, p. 729-730.

DESCRIPTORS: *Steel, Creep, Tests

(Metallurgy--Ferrous Metals TT, v. 6, no. 4)

61-16508

I. Richard, K.
II. Sigwart, H.

177671

Office of Technical Services

Eckhard, S. and Koch, W.
SPECTROGRAPHIC DETERMINATION OF TRACE
ELEMENTS IN STEEL WITH MOVING ELECTRODES.
Rept. no. 245 of the Chemists' Committee of V[erein]
D[eutscher] E[isenhütten]leute. [1961] [17] p. 29 refs.
Order from SLA \$1.60 61-16311

Trans. of Archiv für das Eisenhüttenwesen (West
Germany) 1957 v. 28, no. 11, p. 731-738 [Max Planck
Institut für Eisenforschung (West Germany). Communi-
cation 743].

DESCRIPTORS: *Steel. Spectrographic analysis,
*Electrodes. Impurities.

By employing a 1.5 m-grating spectrograph and a high
tension A.C. arc with 4400 V it was possible to lower
the detection limit for aluminum and manganese in pure
iron from 0.0004 to 0.0001% Al and from 0.009 to
0.003% Mn by movement of the electrodes. (Author)

(Metallurgy--Ferrous Metals, TT, v. 6, no. 3)

61-16311

- I. Eckhard, S.
- II. Koch, W.
- III. Max Planck Institut für
Eisenforschung
(West Germany)
- IV. Title: Verein...

17635
2. Tech. Iron - Steel
Inst. T. 803
FLO/X-3495

Microanalytic Investigations in Iron Research. Part
III. Application of Microgram Quantities in Metal-
lographic Investigations, by Walter Koch, Hans Malissa,
Dagmar Ditzges. UNCLASSIFIED

GERMAN, per, Arch für das Eisenhüttenwesen, Vol XXVIII,
No 12, 1957, pp 1-10.

*Navy Tr/NRL (not yet numbered)

Sci - Min/met
Dec 58

The Smelting of Tinplate, by BEGERS, H.
UNCLASSIFIED

GERMAN, per, Arch Eisenhüttenwesen, Dec 1957,
pp 771-783.

Iron and Steel Inst Tr 816
(L3.5.0)

Sci - Min/Met
Aug 58

71, 718

Microanalytical Investigations in Ferrous
 Metallurgical Research XII. Handling
 Microgram Quantities in Metallurgical Investigation
 by Kohn, et al. USCL

QUEBEC, QUE, Arch Shearwater, Dec 1977,
 pp 785-794.

British Iron and
 Steel Inst ~~785-794~~

8/7
 79, 781

Sci - Min/Met; Phys
 Jan 59

also N.Y. 1 TV 2406/NEL
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Separation de Precipites Peu Solubles, a Partir
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